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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/743,827	07/31/2001	Richard K. Haynes	LEA 33 820	8606
35969	7590 08/07/2003			
JEFFREY M. GREENMAN BAYER PHARMACEUTICALS CORPORATION 400 MORGAN LANE WEST HAVEN, CT 06516			EXAMINER	
			WRIGHT, SONYA N	
			ART UNIT	PAPER NUMBER
			1626	in
			DATE MAILED: 08/07/2003	13

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		,				
		09/743,827	HAYNES ET AL.			
		Examiner	Art Unit			
	The MAILING DATE of this communication app	Sonya Wright	1626 the correspondence address			
Period fo			.a. a.			
THE N - Exter after - If the - If NO - Failui - Any r	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. MAILING DATE OF THIS COMMUNICATION. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a within the statutory minimum of thin will apply and will expire SIX (6) MOI cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
1)	Responsive to communication(s) filed on					
2a)□		· is action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
·	closed in accordance with the practice under a on of Claims					
4)⊠	Claim(s) 1-13,16-23 and 28 is/are pending in t	he application.				
	4a) Of the above claim(s) 1-13,17,18 and 21 is/are withdrawn from consideration.					
5)	Claim(s) is/are allowed.					
6)⊠	6)⊠ Claim(s) <u>16 and 23</u> is/are rejected.					
7)🖂	☑ Claim(s) <u>16,19,20,22 and 28</u> is/are objected to.					
	Claim(s) are subject to restriction and/or	r election requirement.				
· · ·	on Papers					
·	The specification is objected to by the Examine	<u></u>				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
a)L	1. ☐ Certified copies of the priority documents	s have been received				
			Application No			
2. Certified copies of the priority documents have been received in Application No.3. Copies of the certified copies of the priority documents have been received in this National Stage						
* S	application from the International Buree the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).				
14)∐ A	cknowledgment is made of a claim for domestic	priority under 35 U.S.C.	§ 119(e) (to a provisional application).			
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 						
Attachment	(s)					
2) D Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s) 8	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)			

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DETAILED ACTION

Claims 1-13, 16-23, and 28 are pending in this application.

Election/Restrictions

Applicant's election with traverse of the specific embodiment, example 7, in Paper No. 11, filed 6-24-03 is acknowledged. In a telephone conversation with the Examiner on July 14, 2003, Mr. William Gray indicated that he elects claims 16-23 and 28 for prosecution. The traversal is on the ground(s) that "the claimed materials have a common property or activity, and a common structural element, therefore it is deemed that the requirements for unity of invention are met. In addition, the claimed compounds belong to a recognized class of chemical compounds thereby satisfying the unity of invention requirement in a second way." This is not found persuasive because the following significant structural element:

does not provide a contribution over the art. (See the rejections under 35 U.S.C 102 below.) Accordingly, unity of invention is considered to be lacking and restriction of the invention in accordance with the rules of unity of invention is considered to be proper.

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Moreover, to not restrict herein, would impose a burden on the examination of this application.

The following generic concept as depicted in claim 16 is identified for examination along with the elected embodiment: Y represents a C-linked heteroaryl or heterocyclylalkyl group. The remaining subject matter of claims 16, 19, 20, 22, 23, and 28 in part and claims 1-13, 17,18, and 21 in their entirety is withdrawn from further consideration under 37 CFR 1.142(b) as constituting other patentably distinct inventions.

The withdrawn subject matter of claims 16, 19, 20, 22, 23, and 28 in part and claims 1-13, 17,18 and 21 in their entirety is properly restricted as said subject matter differs in structure and element from the elected subject matter so as to be patentably distinct therefrom, i.e. a reference which anticipated the elected subject matter would not even render obvious the withdrawn subject matter and fields of search are not coextensive.

The subject matter of claim 17 is not within the scope of the generic concept identified by the examiner. However, the subject matter of claim 28, which depends from claim 17, is within the scope of the generic concept identified by the examiner. Therefore, it is suggested that Applicant combine the subject matter of claims 17 and 28.

Claims 16, 19, 20, 22, 23, and 28 in part are objected to as containing nonelected subject matter. This objection may be overcome by limiting the claims to the elected subject matter identified supra.

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Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 16 and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Heterocycles 45(6): 1055-1058 (1997), Jung et al.; WO 99/33461 Posner et al.; US Patent 5,225,562 McChesney et al.; STN International ® CAPLUS Database, Accession No. 1997:526864, Mai et al. Tap Chi Hoa Hoc (1997), 35(1), 11-13, abstract.

Jung et al. teach analogs of artemisinin which are useful as antimalarial drugs.

Jung et al. teach an example of the instant compound on page 1056, compound 12.

Posner et al. teach C-10 carbon-substituted artemisinin-like trioxane compounds having antimalarial activities. Posner et al. teach an example of the instant compound on page 17, compounds 17a, 18, and 19.

McChesney et al. teach a method of preparing (+)-deoxoartemisinin compounds which are useful as an antimalarial agent. McChesney et al. teach an example of the instant compound in column 10, claim 23.

Mai et al. teach the synthesis of new artemisinin derivatives containing a C-C bond at position 12. Mai et al. teach an example of the instant compounds in RN 194409-61-5.

Claim Objections

Claims 19, 20, and 22 are objected to because they depend from claim 16 which was rejected. Appropriate correction is required.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonya Wright, whose telephone number is (703) 308-4539. The examiner can normally be reached on Monday-Friday from 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Joseph K. McKane, can be reached at (703) 308-4537. The Unofficial fax phone number for this Group is (703) 308-7922. The Official fax phone numbers for this Group are (703) 308-4556 or 305-3592.

When filing a FAX in Technology Center 1600, please indicate in the Header (upper right) "Official" for papers that are to be entered into the file, and "Unofficial" for draft documents and other communications with the PTO that are not for entry into the file of the application. This will expedite processing of your papers.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [joseph.mckane@uspto.gov]. All Internet e-mail communications will be made of record in the application file. PTO employees will not communicate with applicant via Internet e-mail where sensitive data will be exchanged or where there exists a possibility that sensitive data could be identified unless there is of record an express waiver of the confidentiality requirements under 35 U.S.C. 122 by the applicant. See the Interim Internet Usage Policy published by the Patent and Trademark Office Official Gazette on February 25, 1997 at 1195 OG 89.

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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist, whose telephone number is (703) 308-1235.

Joseph K. McKane

Supervisory Patent Examiner

Group 1600

Sonya Wright

August 1, 2003